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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/975,163	10/11/2001	Daniel Xu	INTO-0008-US(P12501)	9107	
1	7590 07/22/2003				
Timothy N. Trop			EXAMINER		
TROP, PRUN 8554 KATY F	WY, STE 100		KEBEDE,	KEBEDE, BROOK	
HOUSTON, I	X 77024-1805		ART UNIT PAPER NUMBER		
			2823		
			DATE MAILED: 07/22/2003	DATE MAILED: 07/22/2003	

Please find below and/or attached an Office communication concerning this application or proceeding.

			lb./
	Application No.	Applicant(s)	•
Office Action Summan	09/975,163	XU, DANIEL	
Office Action Summary	Examiner	Art Unit	
7. 4.0.000	Brook Kebede	2823	
The MAILING DATE of this communication apperiod for Reply	pears on the cover sneet	with the correspondence address	
A SHORTENED STATUTORY PERIOD FOR REPL THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication.  - If the period for reply specified above is less than thirty (30) days, a replet if NO period for reply is specified above, the maximum statutory period.  - Failure to reply within the set or extended period for reply will, by statute.  - Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).  Status	136(a). In no event, however, may ly within the statutory minimum of t will apply and will expire SIX (6) Me, cause the application to become	a reply be timely filed  hirty (30) days will be considered timely.  DNTHS from the mailing date of this communicatio  ABANDONED (35 U.S.C. § 133).	n.
1) Responsive to communication(s) filed on 12	<u>May 2003</u> .		
2a) ☐ This action is <b>FINAL</b> . 2b) ☑ Th	nis action is non-final.		
3) Since this application is in condition for allow closed in accordance with the practice under	•	• •	is
Disposition of Claims	Expano quayio, 1000	7.5. TI, 100 O.G. 210.	
4)⊠ Claim(s) <u>1-12 and 23-30</u> is/are pending in the	application.	•	
4a) Of the above claim(s) is/are withdra	wn from consideration.		
5) Claim(s) is/are allowed.			
6) Claim(s) is/are rejected.			
7) Claim(s) is/are objected to.			
8) Claim(s) <u>1-12 and 23-30</u> are subject to restrict	tion and/or election requi	rement.	
Application Papers			
9) The specification is objected to by the Examine		Alex Francisco	
10) The drawing(s) filed on is/are: a) acce	· - ·		
Applicant may not request that any objection to th 11) The proposed drawing correction filed on			
If approved, corrected drawings are required in re		disapproved by the Examiner.	
12) The oath or declaration is objected to by the Ex	•		
Priority under 35 U.S.C. §§ 119 and 120			
13) Acknowledgment is made of a claim for foreign	n priority under 35 U.S.C	s. § 119(a)-(d) or (f).	
a) ☐ All b) ☐ Some * c) ☐ None of:	•		
1. Certified copies of the priority document	ts have been received.		
2. Certified copies of the priority document	ts have been received in	Application No	
<ul> <li>3. Copies of the certified copies of the prio application from the International Bu</li> <li>* See the attached detailed Office action for a list</li> </ul>	ireau (PCT Rule 17.2(a))	).	
14) Acknowledgment is made of a claim for domest	ic priority under 35 U.S.(	C. § 119(e) (to a provisional applicat	ion).
a) ☐ The translation of the foreign language pro	• •		
Attachment(s)			
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449) Paper No(s)	5) Notice	w Summary (PTO-413) Paper No(s)  Informal Patent Application (PTO-152)	

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## **DETAILED ACTION**

## Election/Restrictions

- 1. Applicant's election without traverse of Group I (i.e., claims 1-12 and 23-30 in Paper No. 4 is acknowledged. However, the elected claims required further species restriction as set forth herein below.
- 2. Restriction to one of the following inventions is required under 35 U.S.C. 121:
- 3. This application contains claims directed to the following patentably distinct species of the claimed invention:
  - **Species I**, Claims 1-12, drawn to, Method of Forming Tapered Electrode for a Phase-Change Memory Cell.
  - **Species II**, Claims 23-30, drawn to, Method of Forming Conical Structure over a Substrate.
- 4. Applicant is required under 35 U.S.C. 121 to elect a single disclosed species for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable. Currently, none generic.

Applicant is advised that a reply to this requirement must include an identification of the species that is elected consonant with this requirement, and a listing of all claims readable thereon, including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered nonresponsive unless accompanied by an election.

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which are written in dependent form or otherwise include all the limitations of an allowed generic claim as provided by 37 CFR 1.141. If claims are added after

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the election, applicant must indicate which are readable upon the elected species. MPEP § 809.02(a).

5. Should applicant traverse on the ground that the species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C. 103(a) of the other invention.

6. Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

## Correspondence

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Brook Kebede whose telephone number is (703) 306-4511. The examiner can normally be reached on 8-5 Monday to Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Olik Chaudhuri can be reached on (703) 306-2794. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 308-7722 for regular communications and (703) 308-7722 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0956.

Brook Kebede

July 17, 2003

W. David Coleman Primary Examiner Page 3